

POWER TAKE OFF CONTROL SYSTEM

Abstract Of The Disclosure

5 A control system and method for detecting variable
load types and controlling the operation of a PTO clutch
to effect engagement of the clutch with variable loads,
and especially to more optimally effect the engagement
10 over-running clutch is disclosed. The control system
includes a controller that receives input and output
clutch shaft speed signals and generates control signals
to control the pressure applied by the clutch. If no
appreciable engine droop is detected at the time of
15 initial movement of the output clutch shaft, the load is
considered to be of a very light load type, and a set of
control signals based upon such load type designation,
which control signals define a control curve that is
flatter and more gentle than would otherwise be
20 considered desirable, is thereafter applied to the
clutch to effect engagement of the load.